

WEST VIRGINIA

Science and Engineering Profile

	WV	U.S.	Rank		WV	U.S.	Rank
Doctoral scientists, 1995	1,787	453,928	43	Total R&D performance, 1995 (millions)	\$475	\$177,210	39
Doctoral engineers, 1995	402	86,738	39	Industry R&D, 1995 (millions)	\$243	\$130,332	41
S&E doctorates awarded, 1996	66	27,230	41	Academic R&D, 1995 (millions)	\$53	\$21,606	47
of which, in life sciences	30%	25%		of which, in life sciences	47%	55%	
in engineering	29%	23%		in engineering	23%	16%	
in social sciences	14%	15%		in environmental sciences	12%	6%	
S&E postdoctorates, 1995	26	35,379	48	Higher education current-fund expenditures, 1995 (millions)	\$848	\$182,602	41
in doctorate-granting institutions							
S&E graduate students, 1995	2,236	436,328	39	Number of SBIR awards, 1990-1996	8	26,399	51
in doctorate-granting institutions				Patents issued to state residents, 1996	114	61,099	42
Population, 1996 (000s)	1,826	269,067	36	Gross state product, 1994 (billions)	\$34.7	\$6,876.0	41
Civilian labor force, 1996 (000s)	808	135,528	38	of which, agriculture	1%	2%	
Personal income per capita, 1996	\$18,444	\$24,231	50	manufacturing, mining, construction	31%	23%	
Federal spending				transportation, communication, utilities	13%	9%	
Total expenditures, 1996 (millions)	\$10,060	\$1,368,858	37	wholesale and retail trade	14%	16%	
R&D obligations, 1995 (millions)	\$296	\$67,080	31	finance, insurance, real estate	11%	19%	
				services	16%	20%	
				government	13%	13%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in West Virginia by Agency and Performer: Fiscal Year 1995

[Thousands of Dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	296,347	139,595	29,597	83,116	35,132	5,999	2,908	31
Department of Agriculture	20,837	15,777	0	0	3,743	1,197	120	22
Department of Commerce	153	0	0	0	153	0	0	46
Department of Defense	17,014	6,738	0	4,310	1,581	4,385	0	40
Department of Energy	134,360	58,324	0	70,674	5,362	0	0	12
Dept. of Health & Human Services	59,614	51,434	0	97	6,472	297	1,314	31
Department of the Interior	6,377	6,262	0	22	93	0	0	20
Department of Transportation	2,611	0	0	1,291	125	0	1,195	30
Environmental Protection Agency	10	0	0	0	0	10	0	51
Nat'l Aeronautics & Space Admin.	22,831	1,060	0	6,722	14,939	110	0	22
National Science Foundation	32,540	0	29,597	0	2,664	0	279	21
State rank	31	20	15	30	40	33	28	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable